Express Mail Label No. EK602286925US 07-03-00 A

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
13531(END9-2000-0039US1)

Total Pages in this Submission
3

TO THE ASSISTANT COMMISSIONER FOR PATENTS
Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

DYNAMICALLY ALTERING WEB PAGE CONTENT BASED ON A PAGE'S TITLE PROPERTIES

and invented by:

Christopher R. Kane

If a CONTINUATION APPLICATION, *check appropriate box and supply the requisite information:*

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 14 pages and including the following:
 a. ☒ Descriptive Title of the Invention
 b. ☐ Cross References to Related Applications *(if applicable)*
 c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
 d. ☐ Reference to Microfiche Appendix *(if applicable)*
 e. ☒ Background of the Invention
 f. ☒ Brief Summary of the Invention
 g. ☒ Brief Description of the Drawings *(if drawings filed)*
 h. ☒ Detailed Description
 i. ☒ Claim(s) as Classified Below
 j. ☒ Abstract of the Disclosure

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Application Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
 a. ☒ Formal Number of Sheets **6**
 b. ☐ Informal Number of Sheets _____

4. ☒ Oath or Declaration
 a. ☒ Newly executed *(original or copy)* ☐ Unexecuted
 b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
 c. ☒ With Power of Attorney ☐ Without Power of Attorney
 d. ☐ *DELETION OF INVENTOR(S)*
 Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Computer Program in Microfiche *(Appendix)*

7. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
 a. ☐ Paper Copy
 b. ☐ Computer Readable Copy *(identical to computer copy)*
 c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers *(cover sheet & document(s))*

9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*

10. ☐ English Translation Document *(if applicable)*

11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations

12. ☐ Preliminary Amendment

13. ☒ Acknowledgment postcard

14. ☒ Certificate of Mailing
 ☐ First Class ☒ Express Mail *(Specify Label No.):* **EK602286925US**

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(Large Entity)

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Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16. ☐ Additional Enclosures *(please identify below):*

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	12	- 20 =	0	x $18.00	$0.00
Indep. Claims	3	- 3 =	0	x $78.00	$0.00
Multiple Dependent Claims (check if applicable) ☐					$0.00
				BASIC FEE	$690.00
OTHER FEE ***(specify purpose)*** _____					$0.00
				TOTAL FILING FEE	$690.00

☐ A check in the amount of to cover the filing fee is enclosed.

☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. **09-0457/IBM** as described below. A duplicate copy of this sheet is enclosed.

- ☒ Charge the amount of **$690.00** as filing fee.
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- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

John Pivnichny
Signature

Dated: 06/30/00

John R. Pivnichny
Registration No. 43,001

IBM Corporation
Intellectual Property Law
1701 North Street, N50/040-4
Endicott, New York 13760
(607)755-0123

cc:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application:	:	Group Art Unit: 2302
Olnowich et al	:	Examiner:
Serial No.: 08/625,379	:	IBM Corporation
Filed: 4/1/96	:	Intellectual Property Law
Title: Increasing Probability Multi-State Network	:	Department N50/040-4
	:	1701 North Street
	:	Endicott, NY 13760

Assistant Commissioner For Patents
Washington, DC 20231

Sir:

PRELIMINARY AMENDMENT

IN THE CLAIMS:

Please cancel claims 21 and 22, and enter new claims 23-32 as follows:

--23. A switch apparatus comprising:

a plurality of multiplexers each having a respective output;

a plurality of input ports to receive a respective plurality of different data messages, each of said input ports being coupled to inputs of all of said multiplexers, each of said data messages including a respective connection request for a path to a destination which can be satisfied through at least two of said multiplexers, if available; and

a plurality of controls, each coupled to a respective one of the input ports and to activation controls of all of said multiplexers; wherein

when each of the plurality of data messages is received at the respective input port, the respective control,

before activating any of the multiplexers, identifies a single one of the multiplexers which is available and leads to the destination specified in the respective connection request,

after making said identification, activates the identified multiplexer, but not any other multiplexers, to pass said each data message,

said plurality of data messages are simultaneously passed through different multiplexers, and

said plurality of data messages are transferred from said switch inputs to the inputs of said multiplexers without intervening storage in any buffers.

24. A switch apparatus as set forth in claim 23 further comprising hardware logic to notify the controls which multiplexers are currently available.

25. A switch apparatus as set forth in claim 23 wherein each of said destinations cannot be reached through every one of said multiplexers, even if available.

26. A switch apparatus as set forth in claim 23 wherein said apparatus is bufferless.

27. A switch apparatus comprising:

a multiplicity of multiplexers each having a respective output;

a multiplicity of input ports to receive a respective multiplicity of different data messages, each of said input ports being coupled to inputs of all of said multiplexers, each of said data messages including a respective connection request for a path to a destination which can be satisfied through at least two of said multiplexers, if available; and

a multiplicity of controls, each coupled to a respective one of the input ports and to activation controls of all of said multiplexers; wherein

when each of the multiplicity of data messages is received at the respective input port, the respective control,

before activating any of the multiplexers, identifies a single one of the multiplexers which is available and leads to the destination specified in the respective connection request,

after making said identification, activates the identified multiplexer, but not any other multiplexers, to pass said each data message,

said multiplicity of data messages are simultaneously passed through different multiplexers, and

said multiplicity of data messages are transferred from said switch inputs to the inputs of said multiplexers without intervening storage in any buffers.

28. A switch apparatus comprising:

a plurality of multiplexers each having a respective output;

a plurality of input ports to receive a respective plurality of different data messages, each of said input ports being coupled to inputs of all of said multiplexers, each of said data messages including a respective path connection request identifying at least two of the multiplexers which, if available, can satisfy said respective connection request; and

a plurality of controls, each coupled to a respective one of the input ports and to activation controls of all of said multiplexers; wherein

when each of the plurality of data messages is received at the respective input port, the respective control,

before activating any of the multiplexers, determines one or more of the multiplexers identified in the respective connection request which is or are available,

after making said determination, activates one of the available multiplexers identified in the respective connection request, but not any other multiplexers, to pass said each data message,

said plurality of data messages are simultaneously passed through different multiplexers, and

said plurality of data messages are transferred from said switch inputs to the inputs of said multiplexers without intervening storage in any buffers.

29. A switch apparatus as set forth in claim 25 further comprising hardware logic to notify the controls which multiplexers are available.

30. A switch apparatus as set forth in claim 28 wherein every one of said multiplexers cannot satisfy the respective connection request, even if available.

31. A switch apparatus as set forth in claim 28 wherein said apparatus is bufferless.

32. A switch apparatus comprising:

a multiplicity of multiplexers each having a respective output,

a multiplicity of input ports to receive a respective multiplicity of different data messages, each of said input ports being coupled to inputs of all of said multiplexers, each of said data messages including a respective path connection request identifying at least two of the multiplexers which can satisfy said respective connection request, if available; and

a multiplicity of controls, each coupled to a respective one of the input ports and to activation controls of all of said multiplexers; wherein

when each of the multiplicity of data messages is received at the respective input port, the respective control,

before activating any of the multiplexers, determines one or more of the multiplexers identified in the respective connection request which is or are available,

after making said determination, activates one of the available multiplexers identified in the respective connection request, but not any other multiplexers, to

pass said each data message,

said multiplicity of data messages are simultaneously passed through different multiplexers, and

said multiplicity of data messages are transferred from said switch inputs to the inputs of said multiplexers without intervening storage in any buffers.--

REMARKS

The USPTO Board of Appeals and Interferences recently decided the appeal of Serial 08/625,379. The rejection of claims 21 and 22 was affirmed. However, the Board indicated that there was patentable subject matter provided the claims were clarified to distinguish over US Patent 4,965,788 to Newman. New claim 23 distinguishes over the searching technique of Newman by the recitation that the "control, before activating any of the multiplexers, identifies a single one of the multiplexers which is available and leads to the destination specified in the respective connection request". In contrast, the searching technique of Newman is "trial and error". New claim 23 also distinguishes over the flooding technique of Newman by the recitation that the "control, after making said identification, activates the identified multiplexer, but not any other multiplexers, to pass said each data message". In contrast, the flooding technique of Newman activates more than one multiplexer simultaneously. Claim 28 likewise distinguishes over Newman. Claim 28 also recites that each of the connection requests identifies at least two multiplexers which, if available, can satisfy the respective connection request.

Docket: EN992127B

Based on the foregoing, Applicants request allowance of the present patent application as amended above.

Respectfully submitted,

6/30/2000

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09509897.050600

APPLICATION

FOR

UNITED STATES LETTERS PATENT

APPLICANT(S) NAME: C. R. Kane

TITLE: DYNAMICALLY ALTERING WEB PAGE CONTENT BASED ON A PAGE'S TITLE PROPERTIES

DOCKET NO. END9-2000-0039

INTERNATIONAL BUSINESS MACHINES CORPORATION

Certificate of Mailing Under 37 CFR 1.10

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C., 20231 as "Express Mail Post Office to Addressee".

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On JUNE 30, 2000

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Bethany Fitzpatrick 6/30/00

Signature of Person Mailing Correspondence *Date*

END9-2000-0039

DYNAMICALLY ALTERING WEB PAGE CONTENT BASED ON A PAGE'S TITLE PROPERTIES

Background Of The Invention

This invention generally relates to altering contents of Web pages; and, more specifically, the invention relates to methods and systems of altering automatically the properties of specific content within a Web page without manual intervention.

In recent years, a unique distributed database has emerged in the form of the World-Wide Web (Web). The database records of the Web are in the form of pages accessible via the Internet. On the Web, tens of millions of pages are accessible by anyone having a communications link to the Internet.

The pages of the Web are dispersed over millions of different computer systems all over the world. Users of the Internet constantly desire to locate specific pages containing information of interest. The pages can be expressed in a number of different character sets, including English, French, German, Spanish, Cyrillic, Kanakata and Mandarin. In addition, the pages can include specialized components, such as embedded forms, executable programs, JAVA applets and hypertext.

The pages of the Web can be constructed using various formatting conventions, for example, ASCII text, Postscript files, html files, and Acrobat files. The pages can include links to multimedia information content

other than text, such as audio, graphics, and moving pictures. As a complexity, the Web can be characterized as an unpredictable random update, insert and delete database with a constantly changing morphology.

In order to increase the usability of a Web site, it is desirable to indicate in which section of the site the page the user is currently viewing is located by highlighting the section name within the left-hand navigation. Current processes for doing this require either the hard coding of the highlighted section into each individual Web page, or the creation of several server side includes for each variation. Either process requires manual editing of HTML and SSI files if new sections are added or section names are altered.

Summary Of The Invention

An object of this invention is to automatically alter the properties of specific content within a web page without manual intervention.

Another object of this invention is to increase the usability of Web sites.

A further object of the present invention is, when a user is viewing a page of a Web site, to highlight on the page the section of the Web site having that page.

These and other objectives are attained with a method and system of dynamically altering the contents of a web page. The method comprises the steps of providing a web

page having a title selected in accordance with a pre-defined naming convention, and providing a style sheet having pre-defined style attributes. The method further comprises the steps of selecting the web page, reading the title and identifying a section name based on the title, and altering the pre-defined style attributes based on the section name.

This invention allows the Web page developer to highlight the active section of the site within the left-hand navigation (or anywhere on the page, if desired) using CSS and JAVA Script. No manual intervention is required. As new pages are added to the Web site, the developer simply follows the established naming convention, and the appropriate section will automatically be highlighted.

Further benefits and advantages of the invention will become apparent from a consideration of the following detailed description, given with reference to the accompanying drawings, which specify and show preferred embodiments of the invention.

Brief Description Of The Drawings

Figure 1 is a flow chart outlining the method of this invention.

Figure 2 shows several routines that may be used in the practice of this invention.

Figure 3 shows script code that may be used in the implementation of this invention.

Figure 4 shows a Web page illustrating the results of the present invention.

Figures 5 and 6 show a computer system that may be used in the invention.

Figure 7 illustrates a memory medium that can be used to hold a computer program for carrying out this invention.

Detailed Description Of The Preferred Embodiments

The present invention relates to a method and system of dynamically altering the contents of a web page. With reference to Figure 1, the method generally comprises the steps of providing a web page having a title selected in accordance with a pre-defined naming convention, and providing a style sheet having pre-defined style attributes. The method further comprises the steps of selecting the web page, reading the title and identifying a section name based on the title, and altering the pre-defined style attributes based on the section name.

As an example, the naming convention used for the title of the Web pages may be set up to establish the "Title of the Web Site," "User Group," "Section Name," and "Page Name." Each element of the title tag may be delimited by an asterisk. (The title of the page may be set by the developer when the page is first created.) The HTML then calls and applies a Style Sheet and JavaScript file to the Web page.

A style sheet, it may be noted, is a collection of formatting information, such as fonts and tabs in a textual document, that can be manipulated and applied as a single unit. Typically, style sheets are associated with particular documents; however, style sheets may also be applied to individual display regions on pages within titles.

With reference to Figure 2, each link within the Navigational HTML has been uniquely identified with an ID and assigned a Class name to apply style attributes to the linked test. The ID naming convention uses the same name as the Section Name found within the title. However all characters have been set to lowercase and blank spaces have been removed from the ID.

With reference to Figure 3, next the JavaScript is executed and reads in the value of the HTML page title. It then parses the value received from the title until the Section Name is identified. Blank spaces are then eliminated from the Section Name and the characters are set to lowercase. The script now has the name of the corresponding ID for active link found within the Navigational HTML. The JavaScript then identifies certain properties of the users Web browser and dynamically alters the style attributes for the corresponding ID accordingly.

Figure 4 shows a Web page developed using the present invention. On this page, the "Overview of Services" text within the title results in the highlighting of "Overview of Services" in the left-hand navigation.

An important advantage of this process, as opposed to other processes, is the developer can create an infinite number of pages below each section of the Web site and the proper section for those pages will be highlighted dynamically in the left-hand navigation. As long as the proper naming convention is used for the navigation's link IDs and the HTLM page title, no developer intervention is required. The preferred embodiment of the invention allows the developer to implement a single JavaScript file that does not contain hard-coded variables. As long as the naming convention established within the script is used for the Web page Title and the link Ids when the page is initially created, no manual intervention is required by the developer. The present invention is more compact (since no variables are hard-coded), can be used globally throughout all sections of the Web site, and requires no additional maintenance once the script is implemented.

As will be understood by those of ordinary skill in the art, the present invention may be carried out on any suitable computer or computer network. Figure 5 illustrates, as an example, a computer of a type that may be used in the practice of this invention. Viewed externally in Figure 5, a computer system has a central processing unit 42 having disk drives 44A and 44B. Disk drive indications 44A and 44B are merely symbolic of a number of disk drives that might be accommodated by the computer system. Typically, these would include a floppy disk drive such as 44A, a hard disk drive (not shown externally) and a CD ROM drive indicated by slot 44B. The number and type of drives vary, usually, with

different computer configurations. The computer has the display 46 upon which information is displayed. A keyboard 50 and a mouse 52 are normally also available as input devices.

Figure 6 shows a block diagram of the internal hardware of the computer of Figure 5. A bus 54 serves as the main information highway, interconnecting the other components of the computer. CPU 56 is the central processing unit of the system, performing calculations and logic operations required to execute programs. Read only memory 60 and random access memory 62 constitute the main memory of the computer. Disk controller 64 interfaces one or more disk drives to the system bus 54. These disk drives may be floppy disk drives, such as 66, internal or external hard drives, such as 70, or CD ROM or DVD (Digital Video Disks) drives, such as 72. A display interface 74 interfaces a display 76 and permits information from the bus to be viewed on the display. Communications with external devices can occur over communications port 78.

Figure 7 shows a memory medium 80 that may be used to hold a computer program for implementing the present invention, and this medium may be used in any suitable way with any appropriate computer to carry out the invention. Typically, memory media such as a floppy disk, or a CD ROM, or a Digital Video Disk will contain the program information for controlling the computer to enable the computer to perform its functions in accordance with the invention.

While it is apparent that the invention herein disclosed is well calculated to fulfill the objects stated above, it will be appreciated that numerous modifications and embodiments may be devised by those skilled in the art, and it is intended that the appended claims cover all such modifications and embodiments as fall within the true spirit and scope of the present invention.

DOCSBOS9:505605.1

Claims

1. A method of dynamically altering the contents of a web page, comprising the steps of:

providing a web page having a title selected in accordance with a pre-defined naming convention;

providing a style sheet having pre-defined style attributes;

selecting said web page; reading said title and identifying a section name based on said title; and

altering said pre-defined style attributes based on said section name.

2. A method according to Claim 1, wherein the reading step includes the steps of:

reading in the value of the page title; and

parsing said value until the section name is identified.

3. A method according to Claim 1, wherein:

the web page has a region for linked text;

one of the pre-defined style attributes is given text; and

the altering step includes the step of adding the given text to the region for linked text when the section name is identified.

4. A method according to Claim 1, wherein the altering step includes the steps of:

calling the style sheet; and

applying a file of the style sheet to the web page.

5. A system for dynamically altering the contents of a web page, comprising:

means for providing a web page having a title selected in accordance with a pre-defined naming convention;

means for providing a style sheet having pre-defined style attributes;

means for selecting said web page;

means for reading said title and identifying a section name based on said title; and

means for altering said pre-defined style attributes based on said section name.

6. A system according to Claim 5, wherein the reading means includes:

means for reading in the value of the page title; and

means for parsing said value until the section name is identified.

7. A system according to Claim 5, wherein:

the web page has a region for linked text;

one of the pre-defined style attributes is given text; and

the altering means includes means for adding the given text to the region for linked text when the section name is identified.

8. A method according to Claim 5, wherein the altering means includes:

means for calling the style sheet; and

means for applying a file of the style sheet to the web page.

9. A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for dynamically altering the contents of a web page, the method steps comprising:

providing a web page having a title selected in accordance with a pre-defined naming convention;
providing a style sheet having pre-defined style attributes;

selecting said web page;

reading said title and identifying a section name based on said title; and

altering said pre-defined style attributes based on said section name.

10. A program storage device according to Claim 9, wherein the reading step includes the steps of:

reading in the value of the page title; and

parsing said value until the section name is identified.

11. A program storage device according to Claim 9, wherein:

the web page has a region for linked test;

one of the pre-defined style attributes is given text; and

the altering step includes the step of adding the given text to the region for linked text when the section name is identified.

12. A program storage device according to Claim 9, wherein the altering step includes the steps of:

calling the style sheet; and

applying a file of the style sheet to the web page.

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DYNAMICALLY ALTERING WEB PAGE CONTENT BASED ON A PAGE'S TITLE PROPERTIES

ABSTRACT

A method and system of dynamically altering the contents of a web page. The method comprises the steps of providing a web page having a title selected in accordance with a pre-defined naming convention, and providing a style sheet having pre-defined style attributes. The method further comprises the steps of selecting the web page, reading the title and identifying a section name based on the title, and altering the pre-defined style attributes based on the section name. This invention allows the Web page developer to highlight the active section of the site within the left-hand navigation (or anywhere on the page, if desired) using CSS and JAVA Script. No manual intervention is required. As new pages are added to the Web site, the developer simply follows the established naming convention, and the appropriate section will automatically be highlighted.

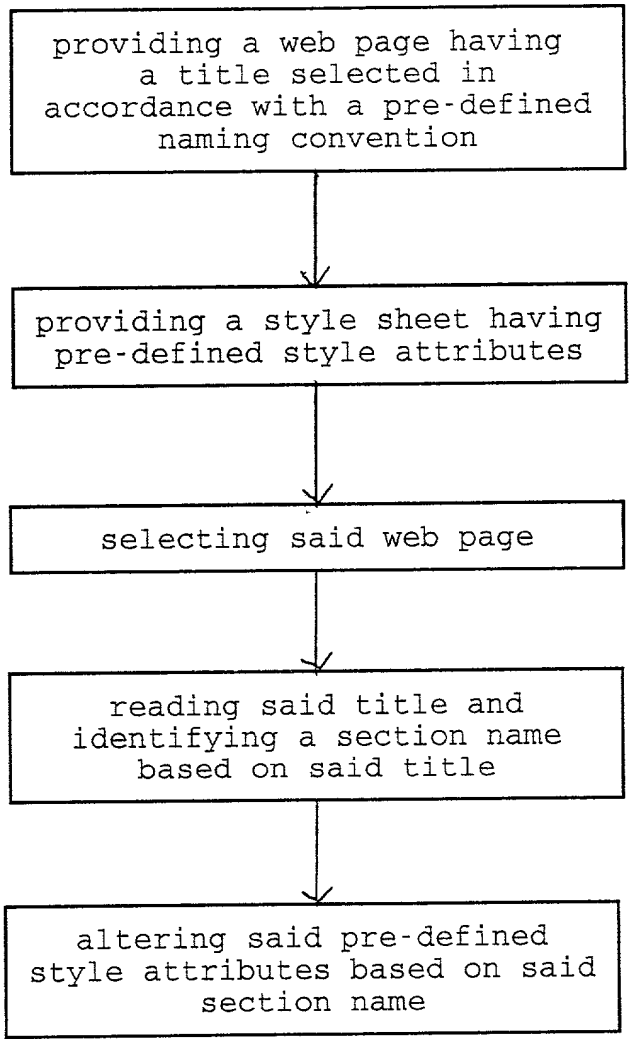

providing a web page having a title selected in accordance with a pre-defined naming convention
providing a style sheet having pre-defined style attributes
selecting said web page
reading said title and identifying a section name based on said title
altering said pre-defined style attributes based on said section name

Fig. 1

The HTML

Header

```
<HTML>
<HEAD>
<TITLE>PharmaCare * Members Services * Overview of Services</TITLE>
<LINK REL="StyleSheet" TYPE="text/css" HREF="/shared/css/site_style.css">
<SCRIPT LANGUAGE="javascript1.1" SRC="/shared/scripts/menu_highlight.js"></SCRIPT>
</HEAD>
```

Navigation

```
<A HREF="/members/index.html" ID="overviewofservices" CLASS="leftHandNav">Overview of Services</A>
  <BR><IMG SRC="/shared/images/spacer.gif" WIDTH=1 HEIGHT=7 BORDER=0 ALT=""><BR>
<A HREF="javascript: void(0)" ID="drugreference" CLASS="leftHandNav">Drug Reference</A>
  <BR><IMG SRC="/shared/images/spacer.gif" WIDTH=1 HEIGHT=7 BORDER=0 ALT=""><BR>
<A HREF="javascript: void(0)" ID="diseaseinformation" CLASS="leftHandNav">Disease Information</A>
  <BR><IMG SRC="/shared/images/spacer.gif" WIDTH=1 HEIGHT=7 BORDER=0 ALT=""><BR>
<A HREF="javascript: void(0)" ID="forms" CLASS="leftHandNav">Forms</A>
  <BR><IMG SRC="/shared/images/spacer.gif" WIDTH=1 HEIGHT=7 BORDER=0 ALT=""><BR>
<A HREF="/members/online_pharmacy_services.html" ID="onlinepharmacyservices" CLASS="leftHandNav">Onli
  <BR><IMG SRC="/shared/images/spacer.gif" WIDTH=1 HEIGHT=7 BORDER=0 ALT=""><BR>
<A HREF="/members/registration_form.html" ID="registration" CLASS="leftHandNav">Registration</A>
  <BR><IMG SRC="/shared/images/spacer.gif" WIDTH=1 HEIGHT=7 BORDER=0 ALT=""><BR>
<A HREF="javascript: void(0)" ID="qanda" CLASS="leftHandNav">Q &amp;amp; A</A><BR CLEAR="all">
```

The StyleSheet Declaration

```
/* ****************************************************
   **          Lefthand Navigation Styles            **
   **************************************************** */
   A.leftHandNav:link, A.leftHandNav:active, A.leftHandNav:visited
     {color: #808080;
      font-size: 14px;
      line-height: 16px;
      text-decoration: none;
   }

   A.leftHandThirdNav:link, A.leftHandThirdNav:active, A.leftHandThirdNav:visited
     {color: #808080;
      font-size: 12px;
      line-height: 14px;
      text-decoration: none;
   }
```

Fig. 2

The JavaScript Code

```
var docTitle = document.title;
var subSection = new String();
var temp = new String();

window.onerror = doNothing;

function doNothing () {
return true;
}

// pull section title from the page title
function getTitle () {
  subSection = docTitle.substring(docTitle.indexOf("*")+1);
  subSection = subSection.substring(subSection.indexOf("*")+1);

  if (subSection.indexOf("*")!=-1) {
    subSection = subSection.substring(0, subSection.indexOf("*"));
  }

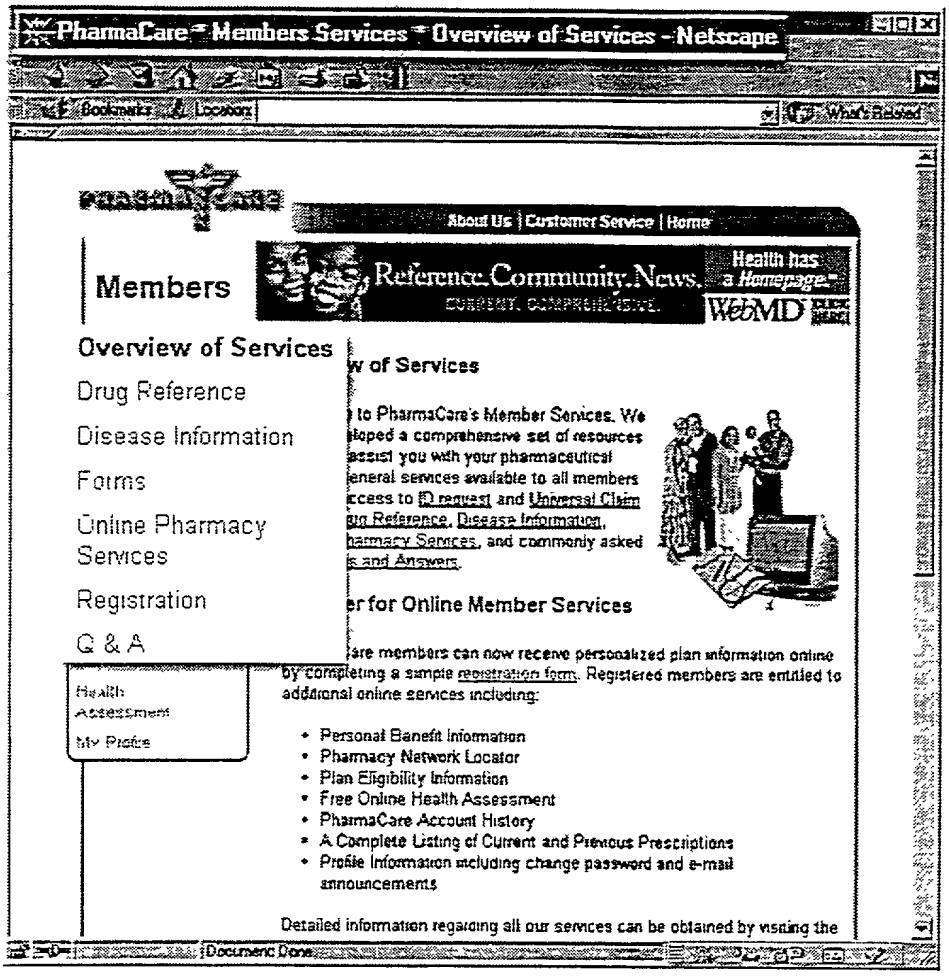
  for (var i=0; i < subSection.length; i++) {
    if (subSection.charAt(i) != " ") {
    temp = temp + subSection.charAt(i);
    }
  }
  subSection = temp;
  subSection = subSection.toLowerCase();
}


// highlight current 2nd level navigational element
function selectLeftNav() {
  getTitle();
  if (document.layers) {
    document.ids[subSection].color = "#005539";
    document.ids[subSection].fontweight = "700";
  } else {
      if (document.all) {
        document.all[subSection].style.color = "#005539";
        document.all[subSection].style.fontWeight = "500";
      }
    }
}
```

Fig. 3

Docket No. END9-2000-0039US1

The Results



The "Overview of Services" text within the title results in the highlighting of "Overview of Services" in the left-hand navigation.

Fig. 4

END9-2000-0039US1

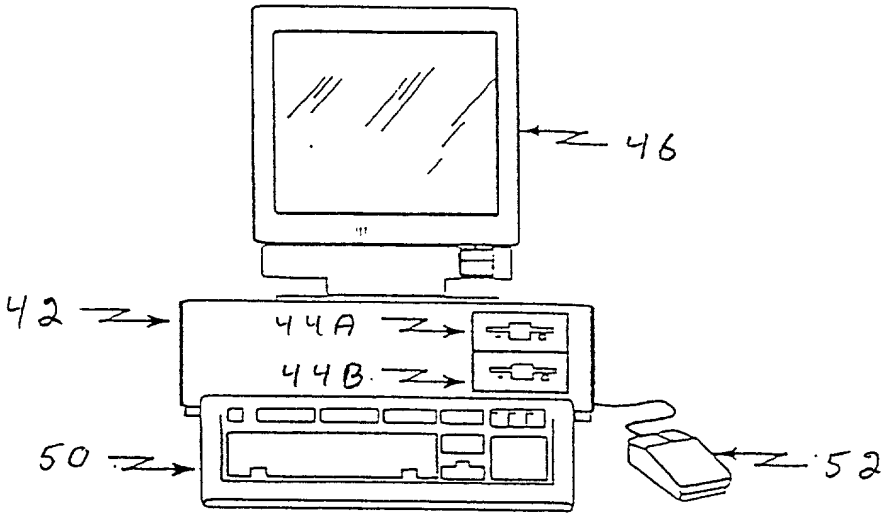

46
42
44A
44B
50
52

Fig. 5

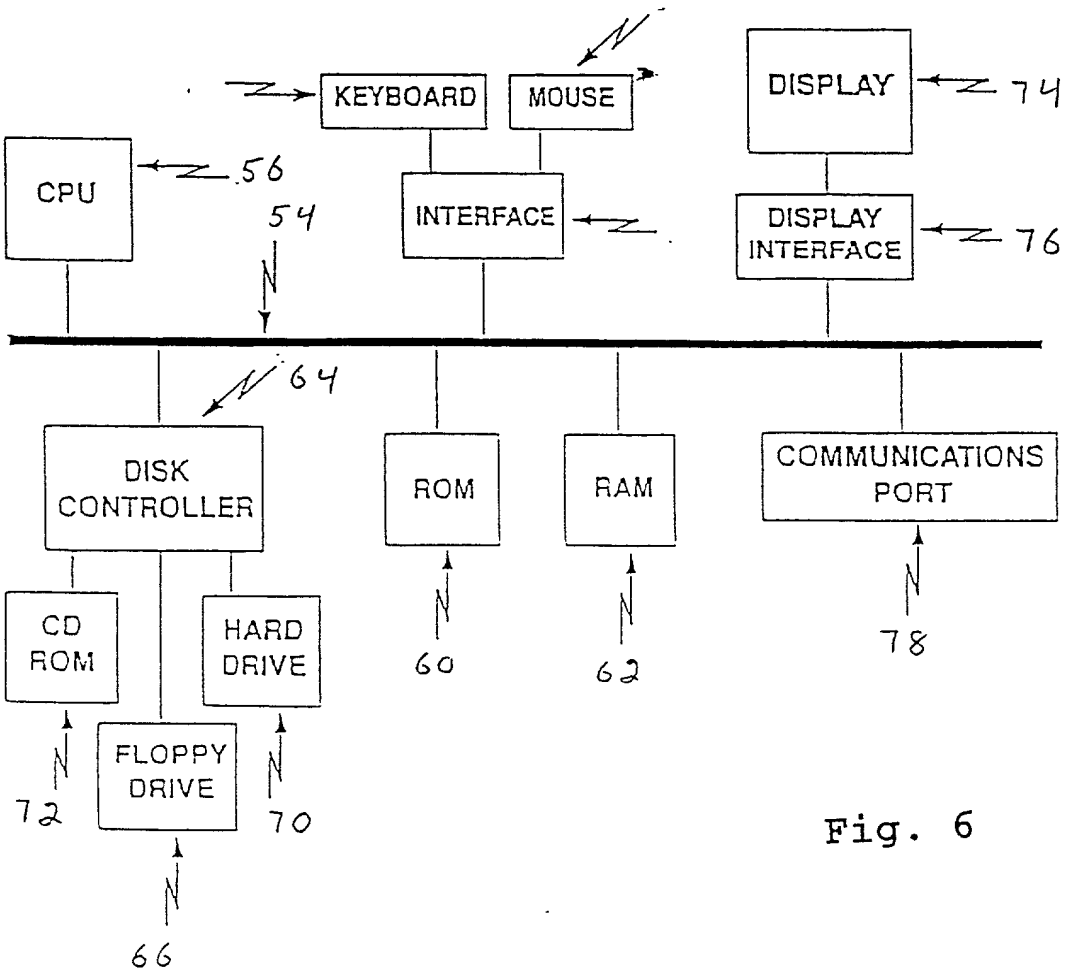

KEYBOARD
MOUSE
DISPLAY
74
CPU
56
54
INTERFACE
DISPLAY INTERFACE
76
64
DISK CONTROLLER
ROM
RAM
COMMUNICATIONS PORT
CD ROM
HARD DRIVE
60
62
78
72
FLOPPY DRIVE
70
66

Fig. 6

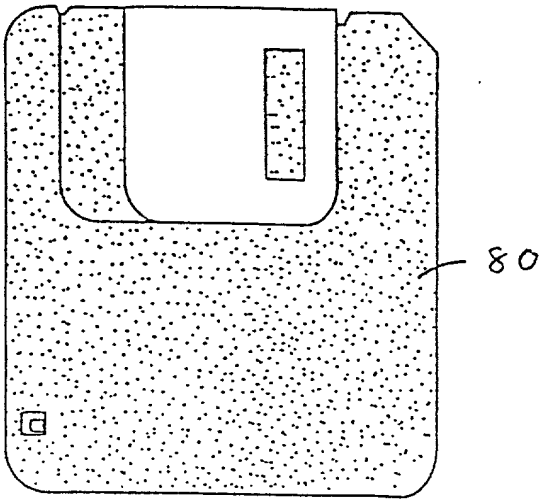


Fig. 7

IBM Docket No.: END9-2000-0039US1
SSMP Docket No.: 13531

Declaration and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that::

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: DYNAMICALLY ALTERING WEB PAGE CONTENT BASED ON A WEB PAGE'S TITLE PROPERTIES

the specification of which (check one)

[X] is attached hereto.

[] was filed on _____ as Application Serial No. _____ and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above- identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed·

Prior Foreign Application(s):

Number	Country	Day/Month/Year	Priority Claimed

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Applications:

Serial No.	Filing Date	Status

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: David L. Adour, Reg. No. 29,604, Lawrence R. Fraley, Reg. No. 26,885; Arthur J. Samodovitz, Reg. No. 31,297; John R. Pivnichny, Reg. No. 43,001;William H. Steinberg, Reg. No. 28,540;Christopher A. Hughes, Reg. No. 26,914; Edward A. Pennington, Reg. No. 32,588; John E. Hoel, Reg. No. 26,279; Joseph C. Redmond, Jr., Reg. No. 18,753; Richard L. Catania, Reg. No. 32,608; Leopold Presser, Reg. No. 19,827; Stephen D. Murphy, Reg. No. 22,002; Frank S. DiGilgio, Reg. No. 31,346; Kenneth L. King, Reg. No. 24,223; William C Roch, Reg No. 24,972 and Edward W. Grolz (Reg. No. 33,705).

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IBM Docket No.: END9-2000-0039US1
SSMP Docket No.: 13531

Declaration and Power of Attorney for Patent Application

(1) Inventor: Christopher R. Kane

Signature: _____ Date: 6/29/2010

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Citizenship: United States of America

Post Office Address: Same as residence

Docket No. END9-2000-0039US1